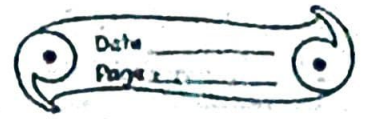


HOME ASSIGNMENT



6/11/21

① Define Pollination. Why it is necessary.

Ans * Pollination is the process in which the pollen grains from the anthers are transferred to the stigma of a flower of the same species.

* It is necessary for the production of fruits and seed of the species of the plant.

② Differentiate between self and cross pollination.

<u>SELF POLLINATION</u>	<u>CROSS POLLINATION</u>
* It occurs either within the same flower or between 2 flowers on the same plant.	* It is occurs between two flowers on different plants of the same species.

SELF POLLINATION

CROSS POLLINATION

* It occurs in the flowers which are genetically identical.

* This process don't need pollinators.

* It produces limited amounts of pollen grains.

* Few species that exhibit self-pollination -
- *Thaliana*,
Parishii.

* It occurs between flowers which are genetically different.

* This process need pollinators.

* It produces large amounts of pollen grains.

* Few species that exhibit cross-pollination -
pumpkins,
apples.

Q Why rose is said to be insect pollinated flower?

Ans → Rose has colour ful, scented petals to attract insects, nectar as food for insects & sticky pollen grains so that it would stick to the body parts of the plant. So, it is suitable for this pollination.